







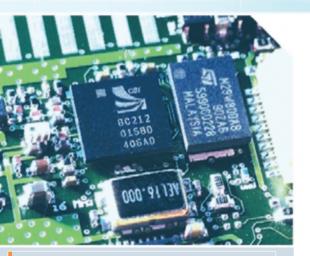


RoHS Compliant



BL-521 & BL-730 CLASS 1 RS232 BLUETOOTH ADAPTOR

WIRELESS SOLUTIONS ENGINEERED TO EXCEED EXPECTATIONS



Features

- Class 1 Bluetooth device operating at 14dBm
- Suitable for ANY device with serial port
- Handshaking CTS/RTS & DTR/DSR
- Range, Office: 20m Field: 200m subject to local environment conditions
- Integral Antenna
- Upgradeable onboard flash memory for latest Bluetooth Features
- 4 ways to Configure
- Up to 1.0 Megabaud RS232
- 9 Pin female adaptor included

Click on each feature to find similar products

Options



Class 1 RS232 Bluetooth adaptor: BL-521

Class 1 RS232 Bluetooth converter Module for OEM: BL-730



Class 1 devices see: BL-830 and BL-819

TEL: +44 (0) 151 220 2500

Description

Award winning Brainboxes RS232 Adaptor allows any device with an RS232 port to communicate with another Bluetooth device without the need for any additional software.

Ideal for Bluetooth enabling 'dumb' RS232 devices such as dataloggers etc. Based on fully tested Bluetooth silicon, allowing communications at the full Bluetooth data rates. Integral Antenna.

This class 1 Bluetooth device operates at 14.4dBm, making it one of the leading Bluetooth RS232 Adaptors in the market today.

Software

Four configuration modes tailored to suit every environment:

- Configuration Utility (for Windows)
- Remote Configuration Over Bluetooth Link 0
- Command line Configuration
- **Bulletin Board Configuration**

Also included full product documentation and troubleshooting guide.

Find out about Brainboxes excellent Configuration Utility Software Features: Click Here















ORDER Description

CLASS 1 BLUETOOTH RS232 ADAPTOR CLASS 1 BLUETOOTH RS232 CONVERTOR MODULE Code

BL-521 BL-730



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BL-521 BL-730



CLASS 1 BLUETOOTH RS232 ADAPTOR

Product Code BL-521 & BL-730	
Bluetooth General	
Bluetooth Qualification	1.2 Qualified
Bluetooth Radio	
Class Of Device Radio Frequency Integral Antenna Output Power Operating Distance (Typical) Metres*	Class 1 2.4GHz Yes Qualified at 14 dBm Field: 200m Office: 20m
Bluetooth Settings	
Max Transfer rate (Kb/s) Configurable Local Device Name and Device Class Pairing Options Client and Server Mode Configurable Discoverability, Security mode and PIN nun PICONET & SCATTERNET capable PARK and SNIFF mode Factory Reset	up to 723 Yes Enable/disable/link key expiry/2 proximity modes Yes nber Yes Yes Yes Yes Yes Yes
Serial Port Settings Baud Rate (Kh/s) Female Min	ale 244 - 1 000 000
Data Bits Parity Parity Pin 1 N/C N/C N/C 5 4 3 2 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1	244 - 1,000,000 8 Odd, Even, Mark Space 1 or 2 RTS/CTS , DTR/DSR
Bluetooth Security	8 9
Encryption PIN Authentication Security Levels	'None' , 'Point to Point' or 'Point to Point and Broadcast' PIN: Select from list or enter custom (16 character limit) Low, Medium & High (Security Mode 1,2 & 3)
General	
Power Source LED's Power Consumption Weight Size WxDxH (mm)	External Power Device: 200mA @ 5V status LEDs: Power, Tx, Rx Depends on usage, more info CLICK HERE 68g 40 x 80 x 22 (plus 180mm cable and connector) BL-521 34 x 44 x 2 BL-730
RS232 connector	9 pin male (female adaptor supplied)
Interface	
OS Compatibility	This device is compatible with any product with a serial port
Configuration Awards	Windows Utility software or Remote/terminal Config Winner Microsoft Tech Ed 2005, Mobile Computing Europe: Bluetooth CompactFlash and Bluetooth Serial Connectivity Winner 2005 European Electronics Industry Awards: Manufacturer of the Year
Approvals & Accreditations	UL, CE, FCC, Bluetooth Approved (not BL-730, approval required for integrated system
Box Contents	Bluetooth RS232 Adaptor (BL-521) / Bluetooth RS232 convertor module Power Supply (BL-521) Shell connector and crimps (BL-521) CD with Utility software, manual, troubleshooting guide and datasheet Quick Start Guide
OEM option	Available for bulk buy OEM
Product Support	Lifetime Email and Phone Support from fully qualified, friendly staff 40 hours a week
Warranty	3 years
Made In WINNER Manufacturer of the	Manufactured in the UK by Brainboxes Winner 2005 European Electronics Industry Awards Manufacturer of the Year
Customisable For Comprehensive Technical Specification Click Here	Brainboxes operate a "Perfect Fit Custom Design" policy for volume users More Info: <u>CLICK HERE</u> *Subject to Local Environment Conditions



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BL-521 BL-730



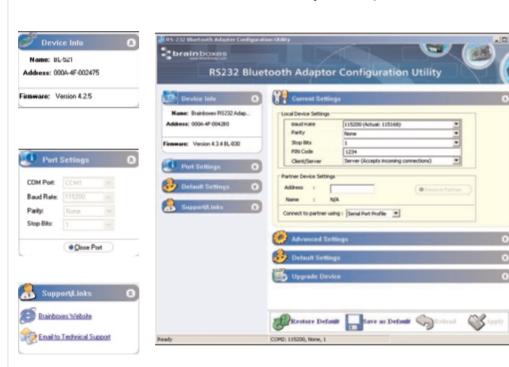
CLASS 1 BLUETOOTH RS232 ADAPTOR

Glossary: Product Features Explained

Bluetooth RS232 Adaptor Configuration Utility

Brainboxes Bluetooth RS232 Adaptors have 4 ways to be configured: Configuration Utility, Bulletin Board, Remote Config or Command Line. Shown here is the our simple yet complete Configuration Utility, which allows full customisation of a Brainboxes Bluetooth RS232 Adaptor.

Usability that speaks for itself







Bluetooth Device Class

There are 3 classes of Bluetooth device defined to suit different needs:

Class 1 - Long Range

Maximum Output Power of 100mW (20dBm)

Class 2 - Medium Range

Maximum Output Power of 2.5mW (4dBm) most common

Class 3 - Short Range

Maximum Output Power of 1mW (0dBm) very rare

A value of distance cannot be explicitly stated for each device class; every user environment is slightly different, and affects the signal in different ways. The best way to compare devices operating range is by comparing Output Power. A device with a larger output power will be able to communicate with other devices over a further distance. Most Brainboxes devices are class 1 devices with a very powerful Power Output, Brainboxes Bluetooth Class 1 devices have one of the most powerful Bluetooth radios in the industry - 14dBm!

TEL: +44 (0) 151 220 2500 EMAIL: SALES@BRAINBOXES.COM WEB: WWW.BRAINBOXES.COM



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BL-521 BL-730



CLASS 1 BLUETOOTH RS232 ADAPTOR

Brainboxes' Service

"Brainboxes offers free lifetime support for ALL customers."

We aim to provide industry leading support for our customers. Our highly trained and helpful support engineers sit and work closely with the product designers, developers, and testers to ensure an in-depth knowledge of the products. Support can be found by emailing support@brainboxes.com or calling: +44 (0)151 220 2500 during UK office hours.

Support website: www.brainboxes.com/support/index.asp

"Brainboxes offers 3 year 'no quibble warranty' on all Bluetooth products."

If, for whatever reason, your Brainboxes Bluetooth device does become dysfunctional Brainboxes are happy to replace it thanks to our "3 year no quibble warranty". Peace of mind for your investment.

Brainboxes¹ Kaizen

"Brainboxes constantly strives to achieve higher standards for the benefit of customers."

'Kaizen' is a Japanese term meaning 'continuous improvement'. Kaizen has been implemented throughout Brainboxes, resulting in significant improvements to our products and our customer service, as illustrated by the development of our own custom ASIC "LYNX" and our new lifetime warranty. As part of this ongoing process, in 2004 we embarked on 'Lean' and '6 Sigma' programs which are successfully increasing productivity and efficiency in all areas of the company. **More Info:** Click Here

What Can I do with Bluetooth?

Bluetooth makes the sharing and exchange of information between mobile or static devices as simple as possible. Whether at home, on the move, or in the office it can be used for networking, sharing files, synchronizing information, email, Internet access, printing, and more. In industry it can be used to wirelessly control equipment and machinery - perfect for servicing inaccessible devices.



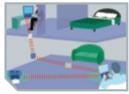
Connect wirelessly to a Bluetooth printer to easily print copies of your documents



Use Bluetooth in test or manufacturing to control and monitor equipment



Create instant ad-hoc networks to share files and information



Connect to the **Internet** from anywhere at **home** via a Bluetooth broadband modem



Email anywhere by connecting your laptop or Pocket PC to your Bluetooth phone